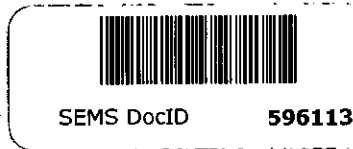


SITE NAME: JOHNS MANVILLE MANUFACTURING PLANT SITE  
DATE: DECEMBER 23, 1996  
SUBJECT: POLREP #16  
LOCATION: NASHUA, NEW HAMPSHIRE  
POLLUTANT: ASBESTOS  
OCCURRENCE DATE: MAY 3, 1995  
MEDIA AFFECTED: AIR AND SOIL  
SEVERITY: MEDIUM  
CATEGORY: INLAND/NON-TRANSPORTATION  
SOURCE/CAUSE: ABANDONED MANUFACTURING FACILITY  
CERCLIS ID #: NHD001085372  
SITE ID NUMBER: 2J  
REGION: I  
OSC: PAUL R. GROULX, US EPA  
OFFICE OF SITE REMEDIATION & RESTORATION  
EMERGENCY PLANNING AND RESPONSE BRANCH  
SITE EVALUATION & RESPONSE SECTION I  
JOHN F. KENNEDY FEDERAL BUILDING (HBR)  
BOSTON, MASSACHUSETTS 02203-0001  
(617) 573-5716/573-9662 fax



SITE TELEPHONE NUMBERS: (603) 882-8995 EPA/START  
(603) 882-7192 fax

LATEST POLREP: Polrep #15 - December 6, 1996

#### I. Background

See the previous POLREPs or Action Memorandum and Addendums.

#### II. Action (December 8 through December 21, 1996)

The demolition of Building 10 (concrete pad and foundation) was completed, and the demolition of building 40 (Section A) was initiated. To date, a total of 58,300 square feet of buildings have been removed. A total of 11,630 tons of asbestos-contaminated material (ACM) debris (114 rollofs loads and 524 trucks) have been shipped to the Nashua landfill for disposal. In addition, 205 tons of steel have been shipped off-site for recycling.

Perimeter, area, and personal air monitoring were conducted as appropriate during demolition activities. Air monitoring activities at the site consisted of real-time aerosol monitoring (RAM) stations, high volume perimeter sampling stations, and personal/area sampling stations.

Results of on-site air monitoring indicated that there were no releases of asbestos or dust at unsafe levels. The New Hampshire Department of Health and Human Services (NHDHHS), the City of Nashua Health Department, and the U.S. Environmental Protection Agency continued to evaluate the air monitoring data on a daily basis to ensure that there was no release of contaminants off-site. As of December 20, 1996, there have been 656 air samples collected, 11 of which were collected during the past two weeks. RAM stations were not included in the number of total samples collected.

Background soil sampling (off-site) was performed in August 1996. Currently, random soil samples are being collected from the former Building No. 10 and Building No. 40 excavated foundation/pad areas. To date, a total of 169 soil samples have been collected, 27 of which have been collected during the past two weeks.

DAILY SUMMARY OF REMOVAL ACTIVITIES

DATE	WEATHER	TEMP °F	AIR SAMPLES	SOIL SAMPLES	T&D* LOADS	WEIGHT IN TONS
12/09/96	Clear	17-42	0	0	12 ACM** 0 STEEL	227.5 0
12/10/96	Cloudy	23-34	0	0	24 ACM 1 STEEL	481.0 11.7
12/11/96	Partly Sunny	30-38	8	0	24 ACM 0 STEEL	538.1 0
12/12/96	Rain	33-40	3	0	32 ACM 0 STEEL	697.2 0
12/13/96	Rain	34-38	0	6	20 ACM 0 STEEL	428.0 0
12/16/96	Rain	39-44	0	16	36 ACM 0 STEEL	667.1 0
12/17/96	Rain	34-46	0	0	41 ACM 0 STEEL	908.4 0
12/18/96	Partly Cloudy	37-56	0	5	40 ACM 0 STEEL	832.7 0
12/19/96	Rain	34-40	0	0	36 ACM 0 STEEL	624.7 0
12/20/96	Clear	24-34	0	0	0 ACM 0 STEEL	0 0

- \* - Transportation and Disposal  
\*\* - Asbestos-Containing Material

ACTIVITIES:

Task Force Meeting

The Weekly Task Force meetings were held on Thursday, 12 December 1996, and Thursday, 19 December 1996. Organizations and Agencies represented at the meetings included the EPA (OSC), US EPA Environmental Response Team Center (EPA ERTC), Agency for Toxic Substance and Disease Registry (ATSDR), New Hampshire Department of Environmental Services (NHDES),

New Hampshire Department of Health and Human Services (NHDHHS), the Nashua Board of Health (BOH), the Nashua Mayor's Office which is represented by the Nashua Fire and Rescue Department. The site activities reviewed included the Building 40 Bridge Street pad and foundation removal, cement removal, crane/rigging for the removal of superstructure items, site air monitoring status, EPA/REAC school pilot project, EPA/REAC Air Dispersion Model, random soil sampling of Building 10 and Building 40 excavated areas, test pit digging of the Building 10 excavated area, erection of a chain-link fence along Sanders Street, Air Impact and Asbestos Awareness training classes, and future on-site activities.

At present, the project is ahead of schedule and under budget, despite the large volume of ACM debris being removed. Costs are being kept at a minimum due in part to the waiver of landfill disposal fees as a result of a cooperative agreement between the EPA and the City of Nashua.

#### Winter Weather and Structural Stability

The region's first snowstorm dropped approximately two feet of heavy wet snow on the area which contributed to the collapse of another section of the Building 40 roof. An area measuring approximately 900 square feet fell on one of the three remaining hydraulic presses adjacent to the previously collapsed area in Section E. In addition, signs of structural stress are evident in other areas from snow and rain which has fallen on the area during the past two weeks. This has resulted in creating additional risks within the building.

Loss of electric power was experienced for three days in over 50 percent of the city due to the weather and resulted in the setup of emergency shelters for citizens.

#### Johns Manville News Bulletin

The most recent bulletin dated 19 December 1996, was distributed to area residences, stores, shops, libraries and City Hall. Over 1000 copies were published. This news bulletin is the first in the country to be placed on the EPA national web site.

#### Internet School Pilot Project

Howard Schmidt, representing EPA ERTC, Edison, New Jersey, met with Science Department teachers at the Elm Street Junior High School in Nashua, New Hampshire, to outline what the EPA will provide as support to the project and what will be expected of the students and teachers. The pilot project is aimed at linking schools in different EPA Regions through the EPA's Internet Web Page. Students will communicate on the Internet to share information regarding weather, school courses, current events, and other interests. The goal of the EPA is to have at least one school from each EPA region communicating through the Internet using an active Superfund site as the common link between the schools.

#### Brownfield Redevelopment and Revitalization Activities

The OSC attended a meeting at Nashua City Hall with Mike Buxton, Task Force designated mayoral representative, to brief Roger Hawk, the newly appointed Division Director for the Community Development Office, on current site activities and future redevelopment options for the city. The city is aggressively pursuing redevelopment for the site and has recently taken the site by default for non-payment of taxes.

#### Underground Storage Tanks (USTs)

OHM excavated two 10,000 gallon UST which once contained No. 6 fuel oil. Following the excavation, the tanks were cleaned by the NHDES oil spill contractor. The tanks were then cut by OHM, placed into a rolloff, and shipped to the Nashua landfill for recycling.

#### Building 10 Foundation Pad Removal

OHM completed the removal of the Building No. 10 concrete pad and foundation. The total ACM waste material removed from Building 10 was 235 truck loads which transported 4350 tons of ACM to the Nashua landfill for disposal. Test pit investigations found that contamination was approximately 18 to 24 inches below grade.

An extent of contamination study is planned to determine future cleanup options and related cost for this area.

#### Building 40 Pad and Foundation Removal

On 10 December 1996, OHM began the removal of the Building 40 (Section A), concrete pad and foundation. Section A was constructed in the same manner as was Building 10 with waste material used for fill beneath the slab and within foundation walls. Test pit investigations found that contamination was approximately 18 inches below grade line and will be further investigated as part of an extent of contamination study. Excavated material was stockpiled, loaded into tri-axle dump trucks with 22-cubic yard beds, and transported to the landfill for disposal. Water was used throughout the operation for dust suppression and for vehicle decontamination. Approximately 17,000 square feet of pad and foundation were removed which accounts for 14.9 percent of the building. To date, a total of 265 truckloads transported 5,885 tons of ACM to the Nashua landfill for disposal.

#### Sub-Slab Soil Investigation of Building 40

An investigation of the soil beneath the slab in various areas of Building 40 was initiated. Corings were cut through the six inch slab of concrete covering sections C, D, and F. The investigation was performed to determine if backfill used beneath the slab is ACM or clean material. The investigation found that there was no ACM beneath the slab in nine corings performed in section F.

#### Survey of Building and Street Utility Locations

START personnel surveyed utility locations at Building 10 and Building 40. Two base points were used to triangulate the locations of the utilities. This exercise was performed to assure the City of Nashua that all utilities on site would be closed prior to final site closure. The locations will be added to the map provided by Holden Surveying and Engineering of Bedford, New Hampshire.

#### Crane and Rigging Bid Meeting

On Wednesday, 11 December, representatives from three crane/rigging companies arrived on site and were taken on a tour of the facility as part of the bid process. The meeting was held to solicit bids for the removal of superstructure baghouses, silos, steel, and piping above roof line prior to the controlled demolition of the remaining Building 40 Bridge Street building. All three firms have since returned to the site to perform measurements on the various structures in an effort to provide for a more accurate and competitive bid.

On Wednesday, 18 December 1996, the bids were received and the winning bid will be awarded shortly. Work will start after the holidays on the dismantling of the superstructures, as part of the continued demolition of the Building 40.

#### Site Survey

Holden Surveying and Engineering of Bedford, New Hampshire, delivered the site survey base map.

#### Cement Recycling Activities

Representatives from several concrete pre-cast companies, soil stabilization firms, and other cement users were contacted and provided with information on the Portland Type I cement remaining on site. While the pre-cast, concrete, and other recycling firms were not interested, a soil stabilization company showed immediate interest in the cement. This organization stated that they use up to 60 tons of cement per day at various locations throughout the northeast and that they would make every effort to assist in the removal of the cement from the silos. The OSC would prefer that the 200 tons of cement be recycled or re-used as a remediation tool rather than landfilled as it would be more cost effective to minimize the use of the landfill C&D area.

Difficulties encountered regarding the potential recycling of the cement include its age, and white color, which is not preferred by most cement companies. A secondary problem is its physical removal from the silos within the collapsing building.

#### Guilford Rail Industries

As a result of a previous meeting with George S. Thayer, Chief Engineer - Design & Construction from Guilford Rail Industries (GRI), a subsidiary of Boston and Maine Corporation, the OSC has received "a release and indemnification form" to perform demolition utilizing railroad property. The OSC agreed to notify the railroad company prior to any work being performed adjacent to the GRI property.

#### Visitors to the Site

During the past two weeks the following personnel have arrived for meetings or to review the status of site activities: Dave McIntyre and Cheryl O'Halloran of the U.S. EPA, Susanne Simon of ATSDR, Colleen Cook, Steve Cullinane,

and Dan Spear of the NHDES, Mike Buxton of Nashua Fire and Rescue, Mike Tremblay of the City of Nashua Board of Health, Joseph Resca of WESTON-START, and Miguel Trespelacios and Howard Schmidt of WESTON-REAC.

### III. Financial

	<u>Ceiling</u>	<u>Obligated</u>	<u>Balance</u>
ERCS Contractor			
Drum Removal (1995)	\$ 500,000	\$ 464,446	\$ 35,554
Demolition/Restoration	\$ 3,200,000	\$ 593,710	\$2,606,290
Total	\$ 3,700,000	\$1,058,156	\$2,641,844

### IV. Future Plans

OHM will continue to conduct demolition and loadout activities in accordance with the U.S. EPA Work Plan.

#### Tentative Schedule:

Dec 21 thru Dec 31 - Christmas holiday shutdown  
Jan 01 thru Jan 05 - New Year's holiday shutdown  
Jan 06 - OHM to remobilize to the site  
Jan 08 - Initiate pre-demolition activities in  
Building No. 40, Section D  
Jan 15 - 8 hour Asbestos Awareness Training

Site work will continue until such time as weather conditions (i.e., freezing temperatures or heavy snow falls) necessitate the temporary shutdown of site activities.

CASE PENDING

# POLREP DISTRIBUTION LIST

Polrep #16

1-3-96

December 23, 1996

Johns Manville Manufacturing Plant Site  
40 Bridge/10 Sanders Street, Nashua, NH

- ✓ M\_x\_\_ National Response Center (G-TGC-2), Headquarters USCG,  
Room 2611, 2100 2nd St., S.W., Washington, DC 20593
- ✓ M\_x\_\_ US EPA, Arthur Johnson, Emergency Response Division (5202G)  
401 M St., S.W., Washington, DC 20460
- ✓ M\_x\_\_ Philip O'Brien, NH Dept. of Environmental Services  
P.O. Box 95, 6 Hazen Drive, Concord, NH 03301-6509
- ✓ M\_x\_\_ Dennis Pinski, Bureau of Health Risk Assessment  
NH Div. of PHS, Health & Human Service Building  
6 Hazen Drive, Concord, NH 03301-6527
- ✓ M\_x\_\_ Daniell R. Spear, NH Dept. of Environmental Services  
P.O. Box 95, 6 Hazen Drive, Concord, NH 03301-6509
- ✓ M\_X\_\_ Edward Lewis, Executive Assistant to the Mayor, City Hall  
229 Main Street, P.O. Box 2019, Nashua, NH 03061-2019
- ✓ M\_x\_\_ Michael P. Buxton, Assistant Fire Chief,  
Nashua Fire Department, Administrative Office,  
2 Conant Road, Nashua, NH 03062-1899
- ✓ M\_X\_\_ Bonnie St. Pierre, President, JM Citizens Task Force  
11 "C" Street, Nashua, NH 03060

## EPA, Boston

- ✓ L\_x\_\_ John P. DeVillars, Regional Administrator, ORA-100
- ✓ L\_x\_\_ Pat Meaney, Office for Sr. Advisor for Management IRA-101
- ✓ L\_x\_\_ Steve Perkins, Office of Admin. & Resource Mgt., OARM-700
- ✓ L\_x\_\_ Nancy Grantham, Office of Regional Administrator, ORAA-100
- ✓ L\_x\_\_ Liza Judge, Office of Senior Advisor for Policy, ORA-103
- ✓ L\_x\_\_ Johanna Hunter, Office of Senior Advisor, ORA-103
- ✓ L\_x\_\_ Rudy Brown, Gov't Relations, RGR
- ✓ L\_x\_\_ Linda Murphy, Director, OSRR, OSRR-500
- ✓ L\_x\_\_ Frank Ciavattieri, Deputy, OSRR, OSRR-500
- ✓ L\_x\_\_ Dennis Huebner, OSRR, OSRR-500
- ✓ P\_x\_\_ John Gauthier, Office of Criminal Investigations CID
- ✓ P\_x\_\_ Thomas Papineau, Investigations Office, OIG/I
- ✓ P\_x\_\_ Paul McKechnie, Investigations Office, OIG/A

- ✓ L\_x\_\_ Joel Blumstein, OES - SES, PES-404
- ✓ L\_x\_\_ Linda Byrne - PCC, OARM-703
- ✓ L\_x\_\_ Hillary Kelley - PCC, OARM-703
- ✓ L\_x\_\_ John Carlson, Contract Management, OSRR-514
- ✓ L\_X\_\_ Caroline Marchant - Contact Management, OSRR-514
- ✓ L\_X\_\_ Suzanne Simon - ATSDR Regional Office

## Regional Response Team

- ✓ P\_x\_\_ NOAA, Gerald Wheaton, G-MOR, C/O USCG Commandant
- ✓ M\_x\_\_ DOI, Andrew Raddant, Acting Regional Environmental Officer,  
408 Atlantic Avenue, Room 142, Boston, MA 02110-3334

## EPA, OSRR

- ✓ L\_x\_\_ Berger
- ✓ L\_x\_\_ McIntyre
- ✓ B\_x\_\_ Office File (Vivian Coughlin)
- ✓ B\_x\_\_ Groulx, OSC (w/Copy of Distribution List)
- ✓ L\_x\_\_ R. Hinten, H&S
- ✓ L\_x\_\_ Mackie (Enf Coord)
- ✓ L\_x\_\_ O'Halloran
- ✓ L\_x\_\_ Verdone